



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: **Barbas III et al.**

Serial No.: 09/586,625

Filed: June 2, 2000

For: **LIGAND ACTIVATED TRANSCRIPTIONAL  
REGULATOR PROTEINS**

Art Unit: 1646

Examiner: Murphy, J.

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Date of Deposit May 5, 2003

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*Jayshree Aiyar Gerken*  
Jayshree Aiyar Gerken

AMENDMENT

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MAY 08 2003

TECH CENTER 1600/2900

Dear Sir:

Responsive to the Office Action mailed November 4, 2002, please amend the application as follows:

**IN THE SPECIFICATION:**

Please amend the specification as follows (a marked up copy of the amended specification is attached to this Amendment):

**Please replace the paragraph on page 1, lines 18-30, with the following:**

Intracellular receptors are a superfamily of related proteins that mediate the nuclear effects of a variety of hormones and effector molecules, including steroid hormones, thyroid hormones and vitamins A and D. Members of this family of intracellular receptors are prototypical ligand activated transcription factors. These receptors contain two primary functional domains: a DNA binding domain (DBD) that contains about sixty-six amino acids and a ligand-binding domain (LBD) located in the carboxyl-terminal half of the receptor that has about 300 amino acids. The receptors are inactive in the absence of hormone (ligand) by virtue of association with inactivating factors, such as heat